

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re application of
ALEXANDRE HENON

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Examiner: NGUYEN, THUAN T.

OFFICIAL

METHOD FOR IN-PROGRESS TELEPHONE CALL TRANSFER BETWEEN A
WIRELESS TELEPHONE AND A WIRED TELEPHONE USING A SHORT-RANGE
COMMUNICATION CONTROL LINK

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSE UNDER 37 C.F.R. 1.111

Sir:

Responsive to the Office Action of 10/20/2003, please amend this application as follows:

1. (Unchanged) A method of transferring an in-progress telephone call between a wireless device and a wired device, comprising:
establishing a short-range wireless communication link directly between the wireless device and wired device;

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at the wireless device, receiving an identifier that has been transmitted from the wired device to the wireless device over the direct wireless communication link; and

at the wireless device, transmitting the identifier together with a call transfer request to enable the telephone call to be transferred to the wired device.

2. (Unchanged) The method as described in Claim 1 wherein the short-range wireless communication link conforms to a given radio frequency (RF) protocol.

3. (Unchanged) The method as described in Claim 2 wherein the given RF protocol is Bluetooth.

4. (Unchanged) The method as described in Claim 1 wherein the short-range wireless communications link is an infrared link.

5. (Unchanged) The method as described in Claim 1 further comprising:
at the wireless device, transmitting a request message to the wired device requesting transmission of the identifier.

6. (Unchanged) The method as described in Claim 1 further comprising:
in a network, receiving the identifier and the call transfer request transmitted from the wireless device; and
re-routing the in-progress call to the wired device.

7. (Currently amended) The method as described in Claim 1 wherein the identifier is a telephone number of the wired device [telephone].

8. (Unchanged) A method of transferring an in-progress telephone call between a wireless device and a wired device, comprising:

establishing a first wireless communication link directly between the wireless and wired devices when the devices are in physical proximity to each other;

at the wireless device, transmitting a request message to the wired device over the first direct wireless communication link requesting transmission of an identifier;

at the wireless device, receiving the identifier that has been transmitted directly from the wired device to the wireless device over the first direct wireless communication link;

at the wireless device, transmitting the identifier together with a call transfer request to a network device over a second communication link; and

at the network device, receiving the identifier together with the call transfer request and re-routing the in-progress call to the wired device.

9. (Unchanged) The method as described in Claim 8 wherein the first direct wireless communication link is a short-range wireless radio communication link.

10. (Unchanged) The method as described in Claim 8 wherein the first direct wireless communication link is a short-range wireless infrared communication link.

11. (Unchanged) The method as described in Claim 8 wherein the identifier is a telephone number of the wired device.

12. (Unchanged) The method as described in Claim 8 further comprising disconnecting the wireless device from the in-progress telephone call following re-routing.

13. (Unchanged) The method as described in Claim 8 further comprising:
having a user of the wireless device initiate the establishing of the first direct wireless communication link by entering given control commands in the wireless device.

14. (Unchanged) A communication system, comprising:
a wireless device having a first transceiver;
a wireline device having a second transceiver;
a short-range direct wireless communications link over which the wireless and wireline devices communicate using their respective first and second transceivers; and

means operative in the wireless device for transferring an in-progress telephone call from the wireless device to the wireline device.

15. (Unchanged) The communications system as described in Claim 14 wherein the means for transferring comprises:

means for transmitting a request message to the wired device over the direct wireless communications link requesting transmission of an identifier;

means for receiving the identifier transmitted from the wired device to the wireless device over the direct wireless communications link; and

means for transmitting the identifier together with a call transfer request to a network device to re-route the in-progress telephone call.

16. (Unchanged) The communications system as described in Claim 14 wherein each of the transceivers is provisioned according to a given RF protocol.

17. (Unchanged) The communications system as described in Claim 16 wherein the given RF protocol is Bluetooth.

18. (Unchanged) A wireless device, comprising:

a processor;

a short-range wireless transceiver;

memory coupled to the processor, tangibly embodying a program of instructions executable by the processor for transferring an in-progress telephone call from the wireless device to a selected wireline device by the following method:

controlling the short-range wireless transceiver to transmit a request message directly to the wired device over a short-range wireless communications link requesting transmission of an identifier;

controlling the short-range wireless transceiver to receive the identifier transmitted from the wired device directly to the wireless device over the short-range wireless communications link; and